

1644

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TECH CENTER 1600/2900

P# 19 1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/350,401ADATE: 07/05/2002
TIME: 15:45:45Input Set : A:\finalrevised_2060.0060008.txt
Output Set: N:\CRF3\07052002\I350401A.raw

P6

4 <110> APPLICANT: Alessandro Sette
 5 John Sidney
 6 Scott Southwood
 7 Maria A. Vitiello
 8 Brian D. Livingston
 9 Esteban Celis
 10 Ralph T. Kubo
 11 Howard M. Grey
 12 Robert Chesnut
 14 <120> TITLE OF INVENTION: INDUCING CELLULAR IMMUNE RESPONSES TO
 15 HEPATITIS B VIRUS USING PEPTIDE AND NUCLEIC ACID
 16 COMPOSITIONS
 18 <130> FILE REFERENCE: 2060.0060008
 20 <140> CURRENT APPLICATION NUMBER: US 09/350,401A
 21 <141> CURRENT FILING DATE: 1999-07-08
 23 <150> PRIOR APPLICATION NUMBER: US 08/820,360
 24 <151> PRIOR FILING DATE: 1997-03-12
 26 <150> PRIOR APPLICATION NUMBER: US 60/013,363
 27 <151> PRIOR FILING DATE: 1996-03-13
 29 <150> PRIOR APPLICATION NUMBER: US 09/189,702
 30 <151> PRIOR FILING DATE: 1998-11-10
 32 <150> PRIOR APPLICATION NUMBER: US 08/205,713
 33 <151> PRIOR FILING DATE: 1994-03-04
 35 <150> PRIOR APPLICATION NUMBER: US 08/159,184
 36 <151> PRIOR FILING DATE: 1993-11-29
 38 <150> PRIOR APPLICATION NUMBER: US 08/073,205
 39 <151> PRIOR FILING DATE: 1993-07-04
 41 <160> NUMBER OF SEQ ID NOS: 3877
 43 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 45 <210> SEQ ID NO: 1
 46 <211> LENGTH: 10
 47 <212> TYPE: PRT
 48 <213> ORGANISM: Artificial Sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: Artificially Synthesized Peptide
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 54 Ala Ile Cys Ser Val Val Arg Arg Ala Phe
 55 1 5 10
 58 <210> SEQ ID NO: 2
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 60 <212> TYPE: PRT
 61 <213> ORGANISM: Artificial Sequence
 63 <220> FEATURE:

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64 <223> OTHER INFORMATION: Artificially Synthesized Peptide
66 <400> SEQUENCE: 2
67 Ala Leu Arg Gln Ala Ile Leu Cys Trp
68 1 5
71 <210> SEQ ID NO: 3
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73 <212> TYPE: PRT
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Artificially Synthesized Peptide
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80 Ala Met Gln Trp Asn Ser Thr Thr Phe
81 1 5
84 <210> SEQ ID NO: 4
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86 <212> TYPE: PRT
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Artificially Synthesized Peptide
92 <400> SEQUENCE: 4
93 Ala Ser Phe Cys Gly Ser Pro Tyr
94 1 5
97 <210> SEQ ID NO: 5
98 <211> LENGTH: 10
99 <212> TYPE: PRT
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Artificially Synthesized Peptide
105 <400> SEQUENCE: 5
106 Ala Ser Phe Cys Gly Ser Pro Tyr Ser Trp
107 1 5 10
110 <210> SEQ ID NO: 6
111 <211> LENGTH: 8
112 <212> TYPE: PRT
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Artificially Synthesized Peptide
118 <400> SEQUENCE: 6
119 Ala Ser Lys Leu Cys Leu Gly Trp
120 1 5
123 <210> SEQ ID NO: 7
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125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Artificially Synthesized Peptide
131 <400> SEQUENCE: 7
132 Ala Ser Lys Leu Cys Leu Gly Trp Leu Trp
133 1 5 10

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Input Set : A:\finalrevised_2060.0060008.txt
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138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
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145 Ala Ser Pro Leu His Val Ala Trp
146 1 5
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 8
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Artificially Synthesized Peptide
157 <400> SEQUENCE: 9
158 Cys Ile Pro Ile Pro Ser Ser Trp
159 1 5
162 <210> SEQ ID NO: 10
163 <211> LENGTH: 10
164 <212> TYPE: PRT
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Artificially Synthesized Peptide
170 <400> SEQUENCE: 10
171 Cys Ile Pro Ile Pro Ser Ser Trp Ala Phe
172 1 5 10
175 <210> SEQ ID NO: 11
176 <211> LENGTH: 11
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Artificially Synthesized Peptide
183 <400> SEQUENCE: 11
184 Cys Leu Ile Phe Leu Leu Val Leu Leu Asp Tyr
185 1 5 10
188 <210> SEQ ID NO: 12
189 <211> LENGTH: 8
190 <212> TYPE: PRT
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Artificially Synthesized Peptide
196 <400> SEQUENCE: 12
197 Cys Leu Arg Arg Phe Ile Ile Phe
198 1 5
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 10
203 <212> TYPE: PRT
204 <213> ORGANISM: Artificial Sequence

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Input Set : A:\finalrevised_2060.0060008.txt
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206 <220> FEATURE:
207 <223> OTHER INFORMATION: Artificially Synthesized Peptide
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211 1 5 10
214 <210> SEQ ID NO: 14
215 <211> LENGTH: 8
216 <212> TYPE: PRT
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Artificially Synthesized Peptide
222 <400> SEQUENCE: 14
223 Cys Ser Val Val Arg Arg Ala Phe
224 1 5
227 <210> SEQ ID NO: 15
228 <211> LENGTH: 10
229 <212> TYPE: PRT
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Artificially Synthesized Peptide
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236 Cys Thr Cys Ile Pro Ile Pro Ser Ser Trp
237 1 5 10
240 <210> SEQ ID NO: 16
241 <211> LENGTH: 8
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
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248 <400> SEQUENCE: 16
249 Asp Ile Asp Pro Tyr Lys Glu Phe
250 1 5
253 <210> SEQ ID NO: 17
254 <211> LENGTH: 10
255 <212> TYPE: PRT
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Artificially Synthesized Peptide
261 <400> SEQUENCE: 17
262 Asp Leu Leu Asp Thr Ala Ser Ala Leu Tyr
263 1 5 10
266 <210> SEQ ID NO: 18
267 <211> LENGTH: 9
268 <212> TYPE: PRT
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Artificially Synthesized Peptide
274 <400> SEQUENCE: 18
275 Asp Ser Trp Trp Thr Ser Leu Asn Phe

RAW SEQUENCE LISTING

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Input Set : A:\finalrevised_2060.0060008.txt
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279 <210> SEQ ID NO: 19
280 <211> LENGTH: 10
281 <212> TYPE: PRT
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Artificially Synthesized Peptide
287 <400> SEQUENCE: 19
288 Glu Leu Leu Ser Phe Leu Pro Ser Asp Phe
289 1 5 10
292 <210> SEQ ID NO: 20
293 <211> LENGTH: 11
294 <212> TYPE: PRT
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Artificially Synthesized Peptide
300 <400> SEQUENCE: 20
301 Glu Leu Leu Ser Phe Leu Pro Ser Asp Phe Phe
302 1 5 10
305 <210> SEQ ID NO: 21
306 <211> LENGTH: 8
307 <212> TYPE: PRT
308 <213> ORGANISM: Artificial Sequence
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313 <400> SEQUENCE: 21
314 Glu Ser Arg Leu Val Val Asp Phe
315 1 5
318 <210> SEQ ID NO: 22
319 <211> LENGTH: 11
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Artificially Synthesized Peptide
326 <400> SEQUENCE: 22
327 Glu Ser Arg Leu Val Val Asp Phe Ser Gln Phe
328 1 5 10
331 <210> SEQ ID NO: 23
332 <211> LENGTH: 9
333 <212> TYPE: PRT
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Artificially Synthesized Peptide
339 <400> SEQUENCE: 23
340 Phe Ile Leu Leu Leu Cys Leu Ile Phe
341 1 5
344 <210> SEQ ID NO: 24
345 <211> LENGTH: 11
346 <212> TYPE: PRT

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/05/2002
PATENT APPLICATION: US/09/350,401A TIME: 15:45:46

Input Set : A:\finalrevised_2060.0060008.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3274; Xaa Pos. 4
Seq#:3275; Xaa Pos. 4
Seq#:3314; Xaa Pos. 5
Seq#:3315; Xaa Pos. 4
Seq#:3316; Xaa Pos. 3
Seq#:3317; Xaa Pos. 8
Seq#:3318; Xaa Pos. 8
Seq#:3319; Xaa Pos. 3
Seq#:3320; Xaa Pos. 4
Seq#:3321; Xaa Pos. 6
Seq#:3322; Xaa Pos. 6
Seq#:3323; Xaa Pos. 5
Seq#:3324; Xaa Pos. 4
Seq#:3325; Xaa Pos. 7
Seq#:3326; Xaa Pos. 9
Seq#:3327; Xaa Pos. 4
Seq#:3328; Xaa Pos. 5
Seq#:3329; Xaa Pos. 6
Seq#:3330; Xaa Pos. 3
Seq#:3331; Xaa Pos. 4
Seq#:3381; Xaa Pos. 5
Seq#:3382; Xaa Pos. 6
Seq#:3416; Xaa Pos. 10
Seq#:3417; Xaa Pos. 10
Seq#:3418; Xaa Pos. 17
Seq#:3419; Xaa Pos. 16
Seq#:3420; Xaa Pos. 15
Seq#:3421; Xaa Pos. 14
Seq#:3422; Xaa Pos. 13
Seq#:3423; Xaa Pos. 12
Seq#:3424; Xaa Pos. 11
Seq#:3425; Xaa Pos. 10
Seq#:3426; Xaa Pos. 9
Seq#:3427; Xaa Pos. 8
Seq#:3428; Xaa Pos. 9
Seq#:3429; Xaa Pos. 8
Seq#:3430; Xaa Pos. 7
Seq#:3431; Xaa Pos. 10
Seq#:3432; Xaa Pos. 10
Seq#:3433; Xaa Pos. 11
Seq#:3877; Xaa Pos. 3